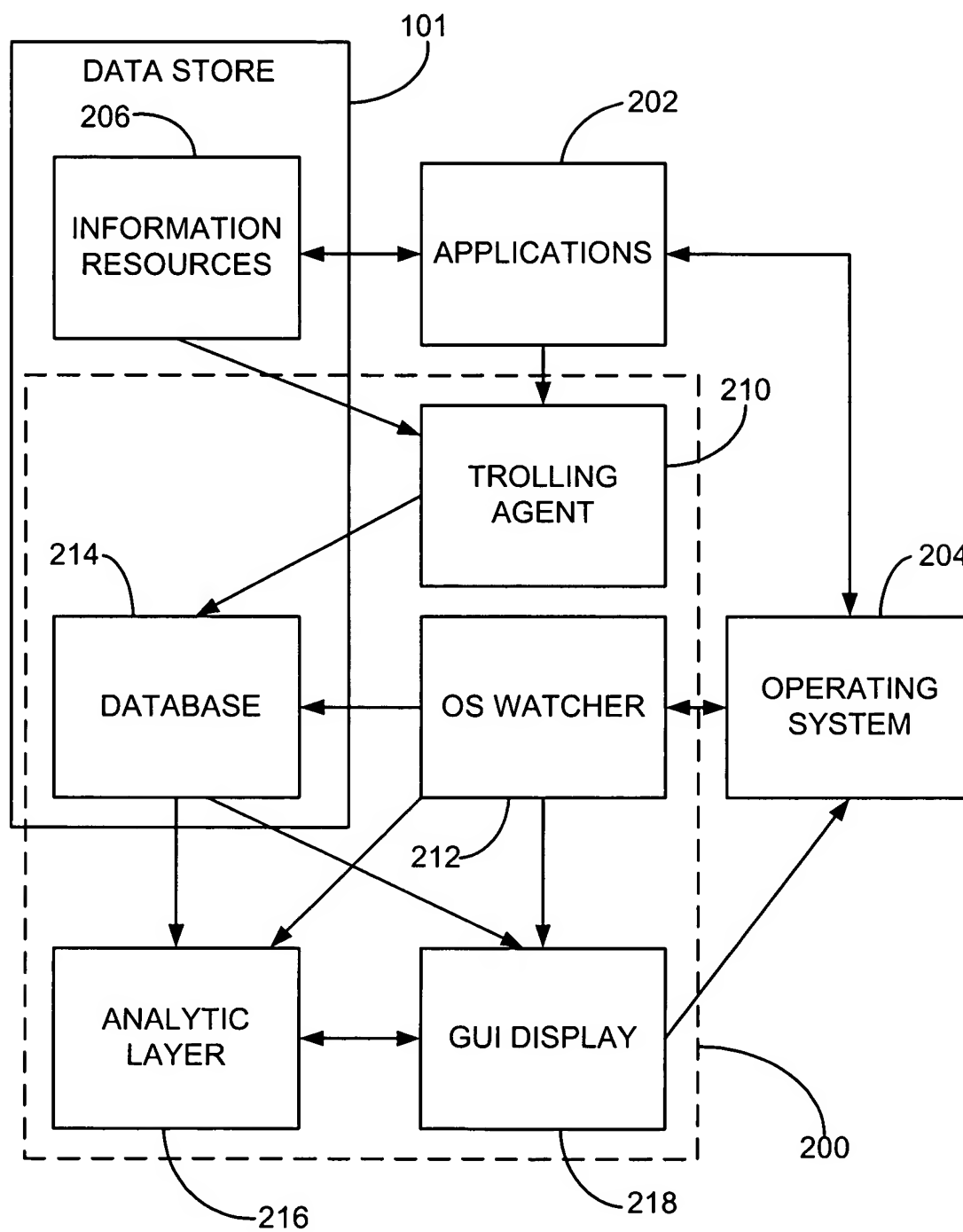
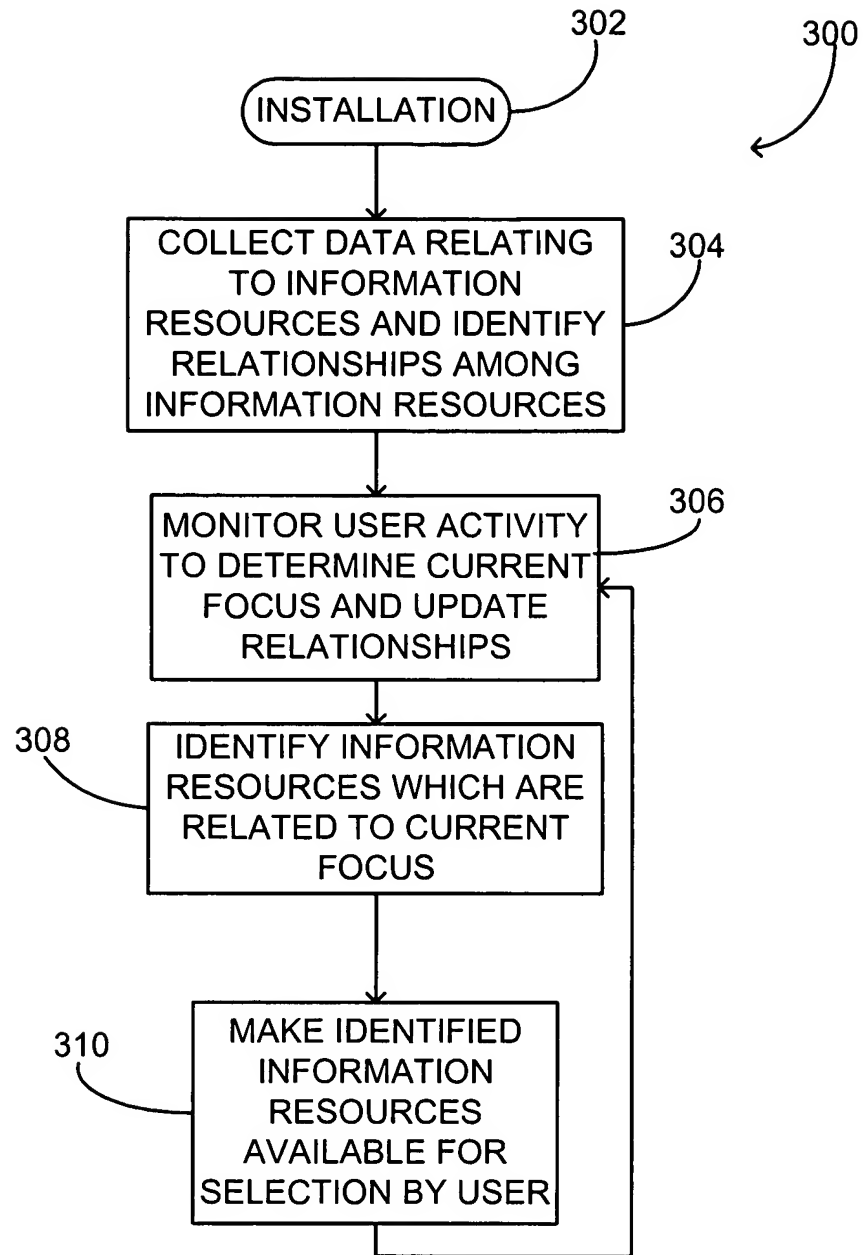


**FIGURE 1**

**FIGURE 2**

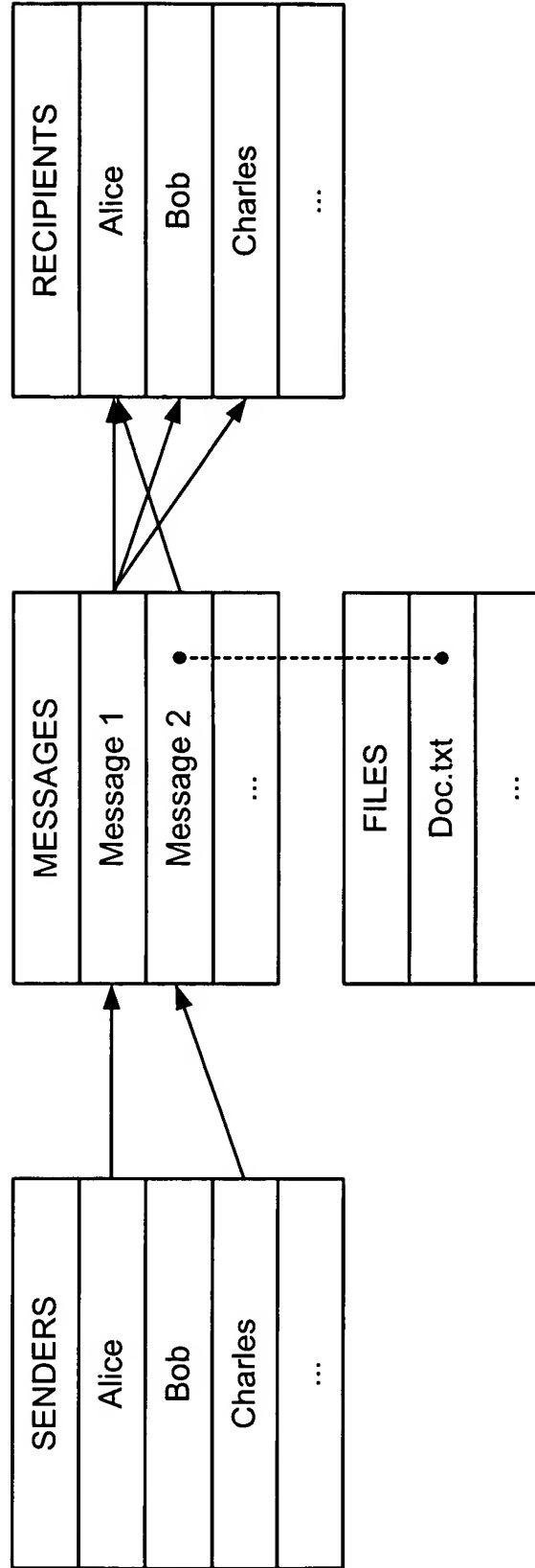
**FIGURE 3**

400

Source Noun Id	Source Id Type	Target Noun Id	Target Noun Name	Target Noun Type	Relation Type	Contrib. As Sender	Contrib. As Receiver	Contrib. As Sender With Attach.	Contrib. As Receiver With Attach.
100	Conv.	1	Alice	Person	Conv. Has Person		0.33	0	
100	Conv.	2	Bob	Person	Conv. Has Person	0	0.33	0	0
100	Conv.	3	Charles	Person	Conv. Has Person	0	0.33	0	
100	Conv.	3	Charles	Person	Conv. Has Person	0	0	1	0
100	Conv.	1	Alice	Person	Conv. Has Person	0	0	0	1
100	Conv.	4	Doc.txt	File	Conv. Has File	n/a	n/a	n/a	n/a

402A 402B 402C 402D 402E 402F

FIGURE 4A

**FIGURE 4B**

500

Candidate Id	Candidate Name	Contrib. As Sender	Contrib. As Receiver	Contrib. As Sender With Attach.	
	Alice	11	10.33	11.5	5.25
2	Bob	9	0.67	1.5	2.0
3	Charles	8	0.33	3.5	4.75

502A

502B

502C

504

506

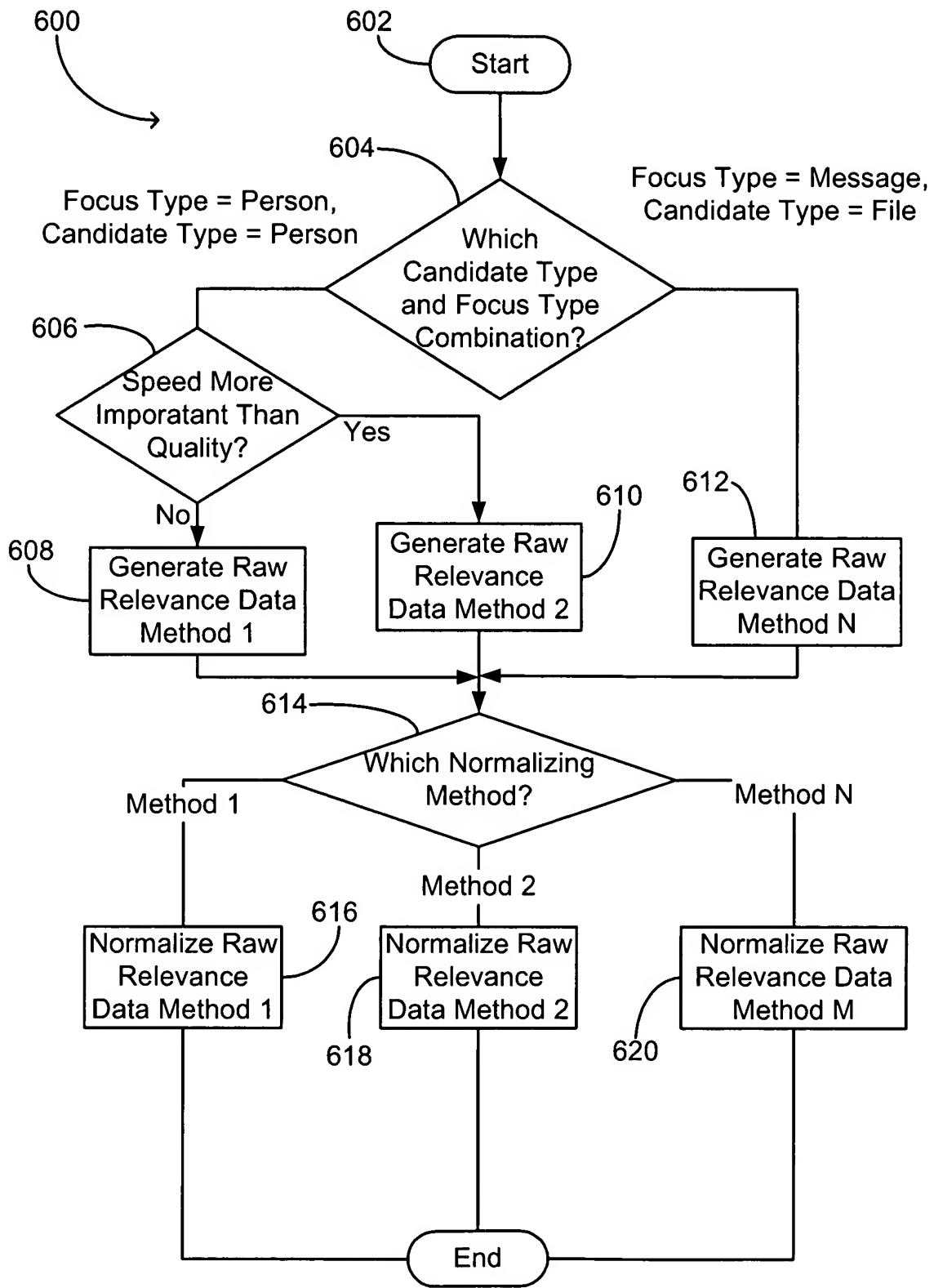
508

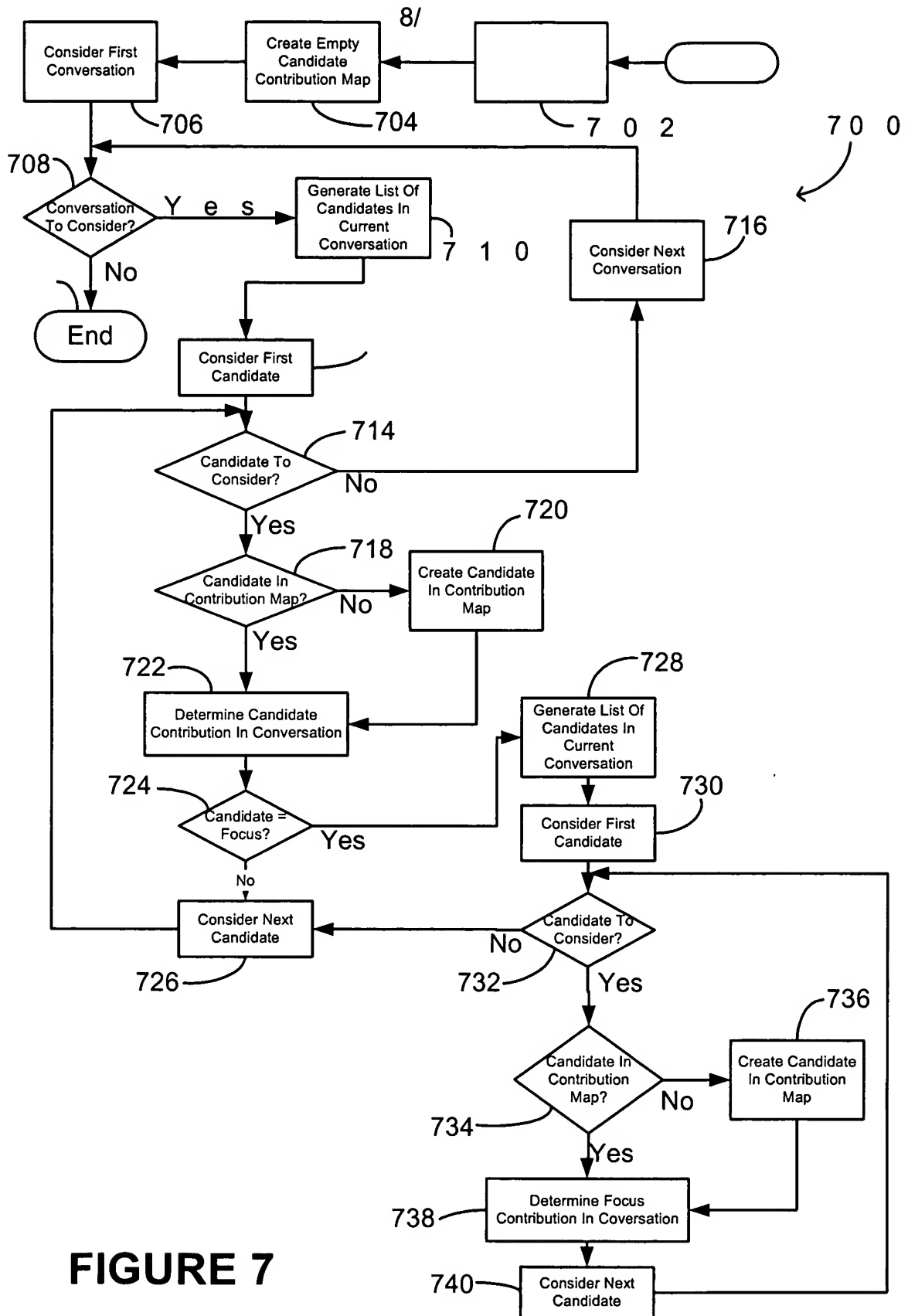
510

512

514

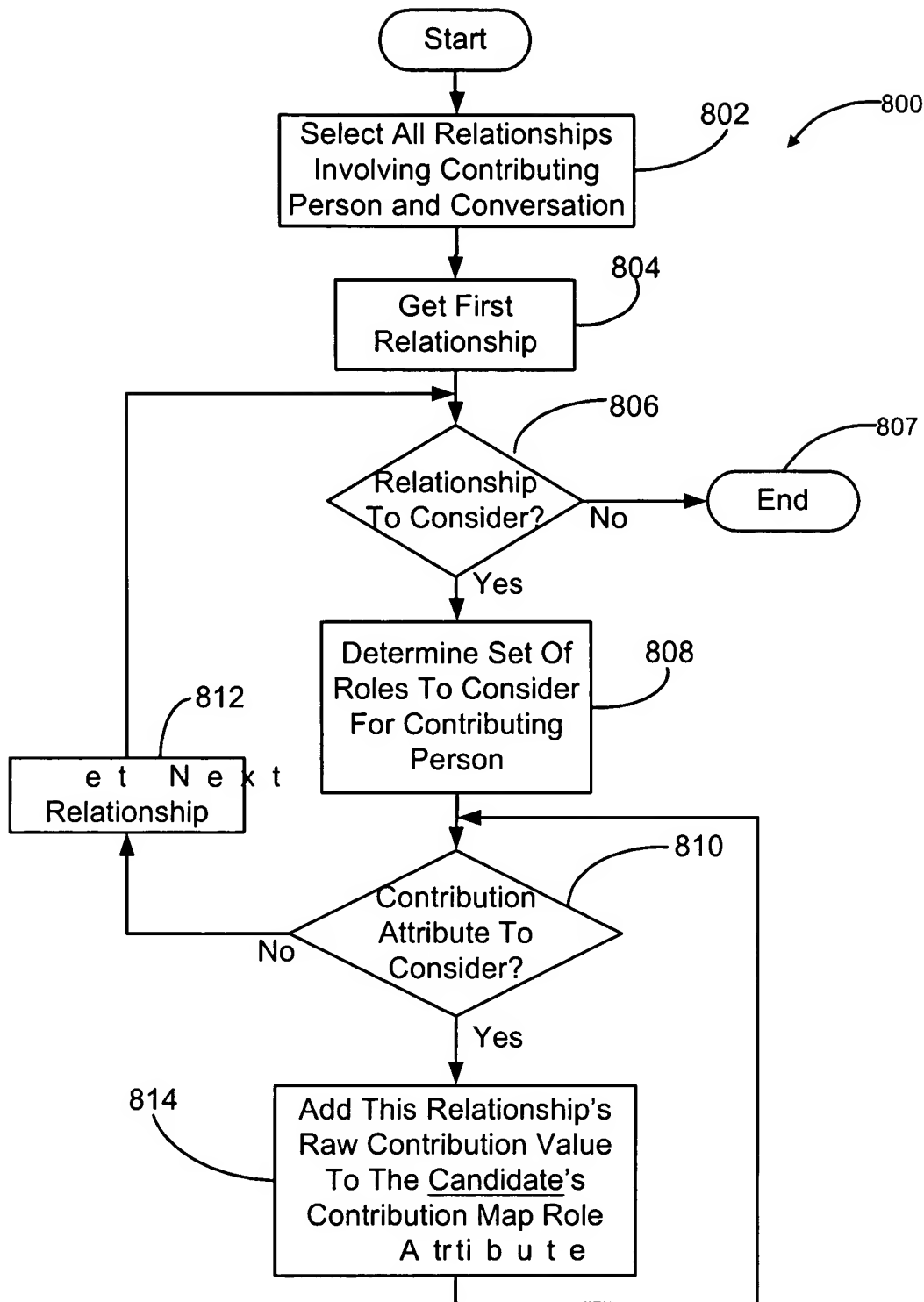
FIGURE 5

**FIGURE 6**

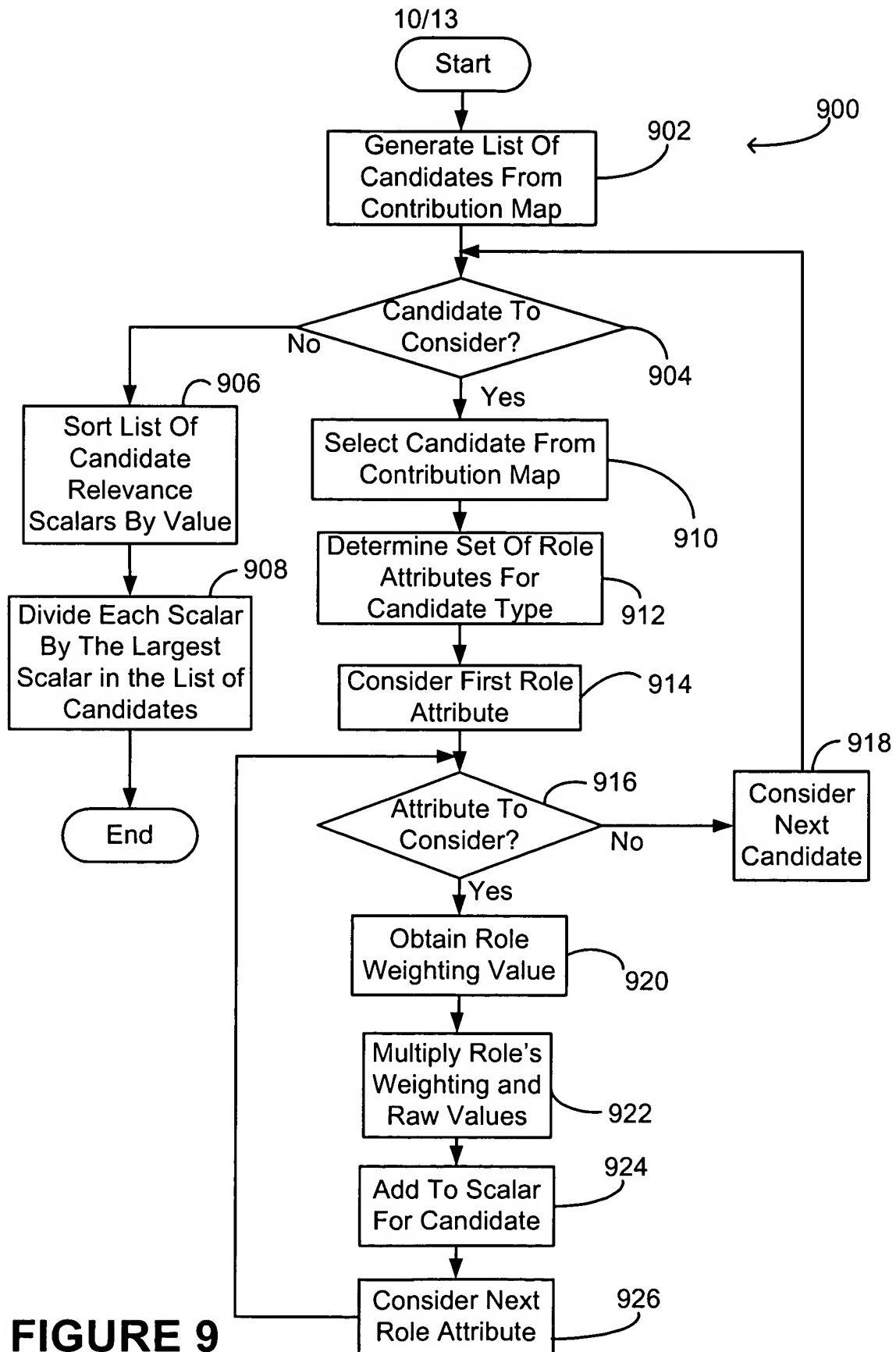




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**FIGURE 8**



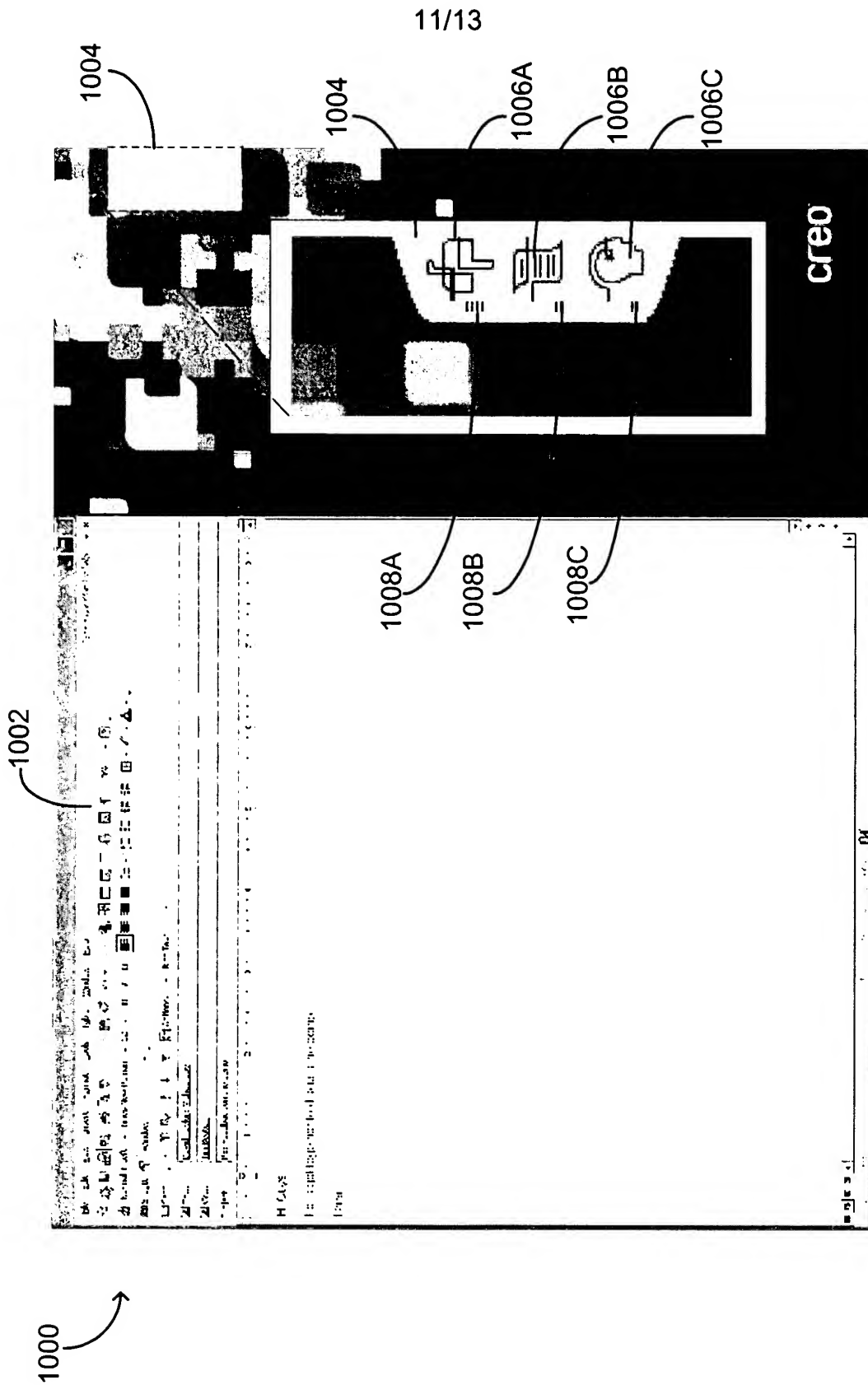
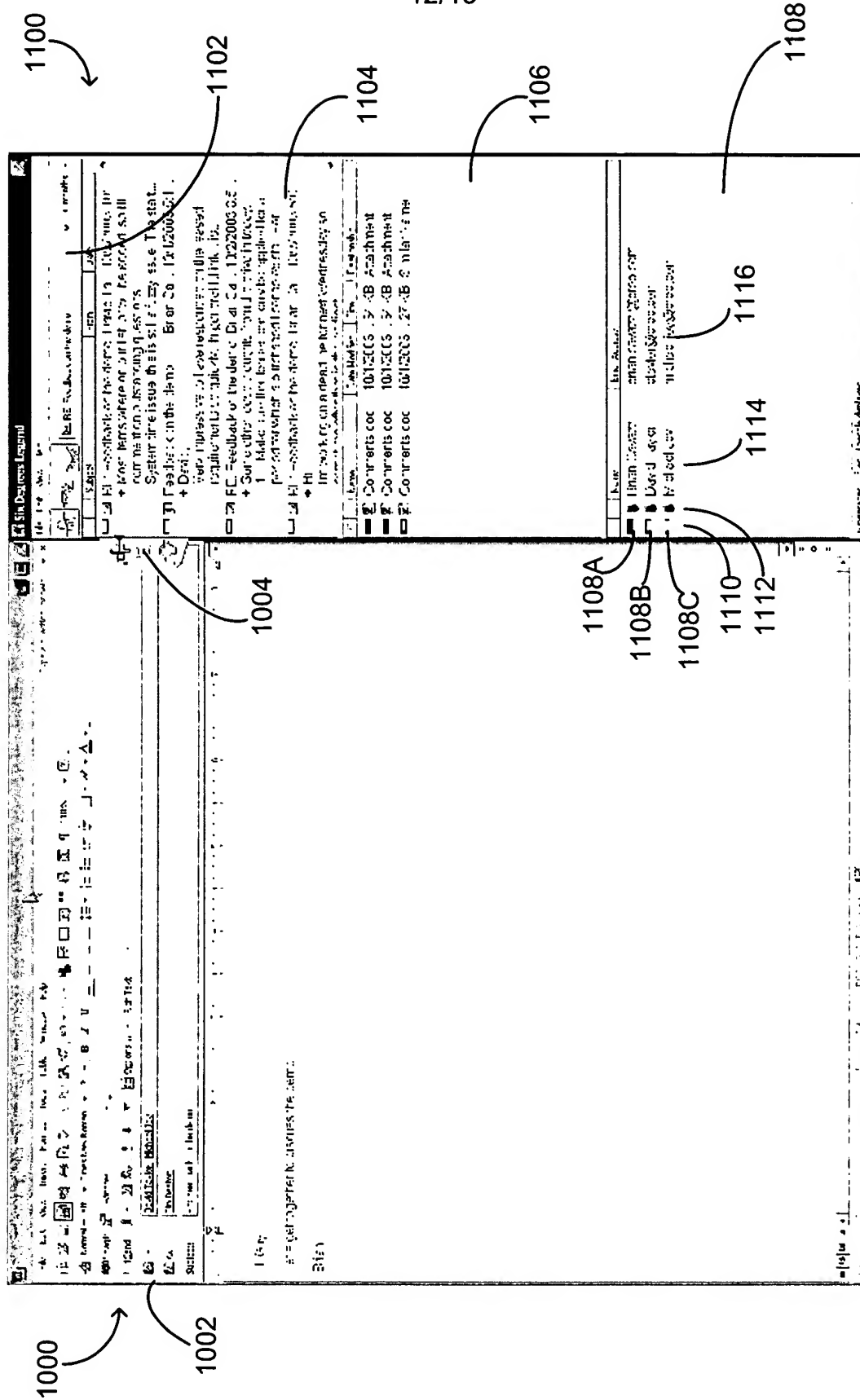


FIGURE 10



## FIGURE 11

